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linear (intersect OR merge OR conjunct) forward

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Interprocedural side-effect analysis in linear time

KD Cooper, K Kennedy - Proceedings of the ACM SIGPLAN 1988 conference on ..., 1988 - portal.acm.org

... **path** ... This paper presents **linear**-time algorithms for each of the two subproblems. ...

reference formal parameters, the swift algorithm solved a **forward** problem over ...

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Efficient flow-sensitive interprocedural computation of pointer-induced aliases and side effects - *toronto.edu (PDF)

JD Choi, M Burke, P Carini - Proceedings of the 20th ACM SIGPLAN-SIGACT symposium on ..., 1993 - portal.acm.org

... agated **forward** from the call site to the entry point of ... We assume that each node

is on a **path** from Entry to ... The data **flow** framework for computing aliases in- ...

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(PDF) *Parallelizing Compiler Techniques Based ON Linear Inequalities

SP Amarasinghe - 1997 - compiler.ics.mit.edu

... **Linear** Inequality Representation for Data and Processor Spaces ... **Merge** algorithm in

the presence of auxiliary variables ... 4-3. Bottom-up, **forward-flow** traversal ...

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Interprocedural Analysis for Parallelization

MW Hall, BR Murphy, SP Amarasinghe, SW Liao, MS ... - LECTURE NOTES IN COMPUTER SCIENCE, 1996 - Springer

... In a **forward** data-**flow** prob- lem, for each ... access by a system of integer **linear**

inequalities. ... To maintain efficiency, we **merge** systems of inequalities whenever ...

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Fast interprocedural alias analysis

KD Cooper, K Kennedy - Proceedings of the 16th ACM SIGPLAN-SIGACT symposium on ..., 1989 - portal.acm.org

... each formal, then propagates these sets **forward** along the binding graph, taking

unions when two paths **merge**. ... same location along the same **path** through the ...

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An efficient hybrid algorithm for incremental data flow analysis

TJ Marlowe, BG Ryder - Proceedings of the 17th ACM SIGPLAN-SIGACT symposium on ..., 1989 - portal.acm.org

... propagation) is also **linear** in the ... region edge (a) splits the component @I other

(2) **forward** in toporder ... 6. Delete a node (of degree one) 7. **Merge** basic blocks ...

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Weighted Pushdown Systems and Their Application to Interprocedural Dataflow Analysis - *wisc.edu (PDF)

T Reps, S Schwoon, S Jha, D Meijski - 2006 - Springer

... of weighted PDSs to **linear** constant propagation ... Conventional dataflow-**analysis**

algorithms **merge** together the ... Because the algorithm for solving **path** problems in ...

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[PDF] • A methodology for procedure cloning

KD Cooper, MW Hall, K Kennedy - Computer Languages, 1993 - cs.rice.edu

... demonstrated dramatic improvements on **linear** algebra kernels [6 ... second phase, we **merge** vectors representing ... of a particular **forward inter- procedural data-flow** ...

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[PS] • Interprocedural Symbolic Analysis

P Havlik · 1994 · historical.ncstrl.org

... 5.4 Pairwise Linear Equalities ... 5.4.3 Merge :::: 110 ...

3.1 Control-Flow Statistics of Benchmarks ...

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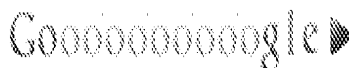
Fast interprocedural class analysis - dbm.com/pom

G DeFouw, D Grove, C Chambers - Proceedings of the 25th ACM SIGPLAN-SIGACT symposium on ..., 1998 - portal.acm.org

... and propagate sets of classes **forward** through the ... SuperNode; a special supemode, used for **Merge** WuGlobal ConstmctDatafloO ... To block the **flow** of classes through ...

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Key authors: K Cooper - K Kennedy - J Choi - M Hall - M Burke



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